

REMARKS

This application has been carefully reviewed in light of the Office Action dated May 31, 2007. Claims 1-4 and 6-22 remain in this application. Claims 1-3, 6, 11 and 13 are the independent Claims. Claims 1-3, 6-8 and 19 have been amended. Claim 5 has been canceled without prejudice. It is believed that no new matter is involved in the amendments or arguments presented herein. Reconsideration and entrance of the amendment in the application are respectfully requested.

Art-Based Rejections

Claims 11, 13, 16, 17 and 21 were rejected under 35 U.S.C. § 102(b) over U.S. Patent No. 5,467,102 (Kuno); Claims 1-3, 5-10, 14, 15, 19 and 20 were rejected under 35 U.S.C. § 103(a) over Kuno in view of U.S. Patent Application Publication No. 2004/0095309 A1 (Vincent); Claims 4 and 22 were rejected under 35 U.S.C. § 103(a) over Kuno in view of Vincent and U.S. Patent Application Publication No. 2002/0018027 A1 (Sugimoto); Claims 12 and 18 were rejected under 35 U.S.C. § 103(a) over Kuno in view of U.S. Patent No. 5,339,091 (Yamazaki).

Applicant respectfully traverses the rejections and submits that the claims herein are patentable in light of the clarifying amendments above and the arguments below.

The Kuno Reference

Kuno is directed to a portable display device. A normal single page displayed in portrait orientation can be changed to the landscape orientation (widened display) by rotating the display device 100 by 90° in either clockwise or counter-clockwise direction. In one embodiment, a map shown on display B is enlarged in display A. In another embodiment, thumbnail images on display B are displayed as

full size images in display A (*See Kuno; Col. 7, line 54 – Col. 8, line 10, FIG. 15A and 15B, Col. 10, line 56 – Col 11, line 5*).

The Vincent Reference

Vincent is directed to a high resolution display (*See Vincent; Abstract*).

The Sugimoto Reference

Sugimoto is directed to an information processing apparatus (*See Sugimoto; Abstract*).

The Yamazaki Reference

Yamazaki is directed to a paperless portable electronic book having a solar cell 6 mounted to a lid 5. The lid 5 attaches to a device 1 that includes display 2 (*See Yamazaki; Abstract and FIG. 1*).

The Claims are Patentable Over the Cited References

The present application is generally directed to a portable information processing apparatus and a method for displaying an image in the portable information processing apparatus.

Claim 6

As defined by amended independent Claim 6, a portable information processing apparatus includes two display devices and two frames which mount thereon the two display devices respectively. The apparatus includes hinges for coupling the frames with each other. Each of the display devices owns a display surface. The hinges own cylinder-shaped rotation portions which are laterally

rotated along a longitudinal direction and at a lower portion of the hinges. The two frames are pivotally supported by the hinges in an openable/closable manner. When the two frames are closed, two display portions are brought into such a condition that the two display portions are overlapped with each other and are folded into two displays while the hinges are set to a fulcrum, whereas when the two frames are opened, the two display portions are brought into a two-page spreading condition, while the hinges are set to the fulcrum.

The applied reference does not disclose or suggest the features of the present invention as defined by amended independent Claim 6. In particular, the applied reference does not disclose or suggest, "said hinges own cylinder-shaped rotation portions which are laterally rotated along a longitudinal direction and at a lower portion of said hinges," as required by amended independent Claim 6.

Kuno is directed to a portable display device having two display screens. An image displayed in portrait orientation (normal single page) can be changed to landscape orientation (widened display) by rotating the display device 100 clockwise or counter-clockwise by 90° in (*See Kuno; Col. 7, line 54 – Col. 8, line 10*).

In contrast, the present invention requires a cylinder-shaped rotation portion provided at a lower portion of the hinges that is laterally rotated along a longitudinal direction. This feature allows a user to manipulate the rotation portion as if the user is turning the pages of a book (*See Specification; Page 7, line 27 to Page 8, line 2*). Kuno merely rotates the entire display device and does not disclose a cylindrical rotation portion provided at a lower portion of the hinges.

Thus, Kuno does not disclose or suggest this feature of the present invention as required by independent Claim 6. The ancillary references do not remedy the deficiencies of Kuno.

Since the applied reference fails to disclose, teach or suggest the above features recited in independent Claim 6, that reference cannot be said to anticipate nor render obvious the invention which is the subject matter of this claim.

Accordingly, independent Claim 6 is believed to be in condition for allowance and such allowance is respectfully requested.

Applicant respectfully submits that amended independent Claims 1-3 and 13 are allowable for at least the same reasons as discussed above with reference to independent Claim 6 and such allowance is respectfully requested.

Claim 11

As defined by independent Claim 11, a portable information processing apparatus includes two display devices and two frames which mount thereon the two display devices respectively. The apparatus includes hinges for coupling the frames with each other. The two display devices own a first display surface for executing an image display operation of predetermined resolution, and a second display surface for executing a character display operation in higher resolution than that of the first display surface. The two frames are pivotally supported by the hinges in an openable/closable manner. When the two frames are closed, the first and second display surfaces are brought into such a condition that the first and second display surfaces are overlapped with each other and are folded into two displays while the hinges are set to a fulcrum, whereas when the two frames are opened, the first and second display surfaces are brought into a two-page spreading condition, while the hinges are set to a fulcrum.

The applied reference does not disclose or suggest the features of the present invention as defined by independent Claim 11. In particular, the applied reference does not disclose or suggest, "said two display devices own a first display surface for

executing an image display operation of predetermined resolution, and a second display surface for executing a character display operation in higher resolution than that of the first display surface," as required by independent Claim 11.

Kuno discloses in FIG. 15A, a map shown on display B that is zoomed in and enlarged in display A. In FIG. 15B, thumbnail images on display B are displayed as full size images in display A (*See Kuno; Col. 10, line 56 – Col 11, line 5*). Applicant submits that the images are merely enlarged at the same resolution because finer detail (or higher resolution) cannot be observed between the two displays by simple enlargement. Enlarging an image does not disclose or suggest changing a resolution of a display since an image can be enlarged without altering the resolution of the display. Kuno does not disclose or suggest display resolution that is differentiated between display A and B.

In contrast, the present invention requires the two display devices to own a first display surface for executing an image display operation of a predetermined resolution, and a second display surface for executing a character display operation in a higher resolution than that of the first display surface.

Thus, Kuno does not disclose or suggest this feature of the present invention as required by independent Claim 11. The ancillary references do not remedy the deficiencies of Kuno.

Since the applied reference fails to disclose, teach or suggest the above features recited in independent Claim 11, that reference cannot be said to anticipate nor render obvious the invention which is the subject matter of that claim.

Accordingly, independent Claim 11 is believed to be in condition for allowance and such allowance is respectfully requested.

Claim 13

As defined by independent Claim 13, a portable information processing apparatus includes a frame on which a display device having a display surface is mounted. A cover for protecting the display surface of the display device; and a hinge for coupling the frame to the cover are provided. The display device owns a display surface capable of displaying thereon an image in a pixel size smaller than, or equal to 84.7 μm . The frame and the cover are pivotally supported by the hinge in an openable/closable manner. when the cover protects the frame, the cover is rotated while the hinge is set to a fulcrum so as to cover the display surface within the frame. Whereas when the display surface within the frame is visually confirmed, the cover is rotated while the hinge is set to the fulcrum so as to expose the display surface.

The applied reference does not disclose or suggest the features of the present invention as defined by independent Claim 13. In particular, the applied reference does not disclose or suggest "...a display surface..." and "a cover for protecting the display surface....," as required by independent Claim 13 of the present invention.

Referring to Fig. 1 of the Kuno reference, the office action contends that Kuno discloses a display surface and a cover for protecting the display surface. Applicant respectfully disagrees. As shown in Fig.1 (1) and 1 (2), Kuno discloses displays, and not "a display surface" and "a cover for protecting the display surface....," as required by independent Claim 13.

The remaining claims depend either directly or indirectly from independent Claims 1-3, 6, 11 and 13 and recite additional features of the invention which are neither disclosed nor fairly suggested by the applied references and are therefore also believed to be in condition for allowance.

For example, dependent Claim 12 requires, “a portion of the frame on which said display device having said first display surface is mounted owns a solar cell.” In contrast, Yamazaki is directed to a paperless portable electronic book having a solar cell 6 mounted to a lid 5. The lid 5 is attached to a device 1 that includes display 2 (*See Yamazaki; Abstract and FIG. 1*). The solar cell 6 is not on the same frame as the display 2. This feature further distinguishes the present application over Yamazaki and the applied references. Claim 18 recites similar subject matter to that of Claim 12.

Moreover, dependent Claim 10 requires, “said hinges own an indicator for displaying a condition of a power supply.” On page 6 of the Action, FIG. 2B, reference sign 10C is cited. However, reference sign 10C is not disclosed in FIG. 2B or in any other drawing figure. Further clarification is respectfully requested. Furthermore, Kuno clearly does not provide a power supply indicator that can be recognized even when the display surfaces have been folded to be stored.

Moreover, with respect to dependent Claim 14, Applicant notes that the Claim requires, “a holder for storing therein a pen which is used to operate the information displayed on said display notice,” while Vincent merely provides a retractable screen attached to a pen size device such that the pen cannot be used on the display (*See Vincent; Paragraph [0038], [0107] and FIG. 10AA*).

Furthermore, with respect to dependent Claim 15, Applicant notes that the Claim requires, “changing the image displayed on said display surface into either a longer-side-ways image or a shorter-side-at-top image,” while Vincent merely discloses two different images, one that is in portrait and the other in landscape (*See Vincent; FIG. 2AA and 3AA*).

Furthermore, with respect to Claim 16, Applicant notes that while the claim requires a length difference between the frame and the cover "along the longitudinal direction," the length difference in the Kuno reference, as shown in Fig. 2B, is not along the longitudinal direction.

Moreover, dependent Claim 22 requires, "a Web screen is displayed on said first display surface, and the electronic book is displayed on said second display surface." In contrast, Kuno merely displays the stored documents of PC 36. A Web screen is not disclosed on either PC 36 or on the display device 100. Kuno clearly does not disclose a Web screen on one display and an electronic book on another display.

Conclusion

In view of the foregoing, it is respectfully submitted that the application is in condition for allowance. Reexamination and reconsideration of the application, as amended, are requested.

If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call the undersigned attorney at the Los Angeles, California telephone number (310) 785-4721 to discuss the steps necessary for placing the application in condition for allowance.

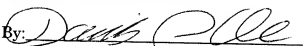
Appl. No. 10/809,100
Amdt. Dated August 10, 2007
Reply to Office Action of May 31, 2007

Attorney Docket No. 83388.0018
Customer No.: 26021

If there are any fees due in connection with the filing of this response, please charge the fees to our Deposit Account No. 50-1314.

Respectfully submitted,
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Date: August 10, 2007

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